

ACOT11 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10130b**Specification**

ACOT11 Antibody (C-term) - Product Information

Application	FC, IHC-P, WB,E
Primary Accession	Q8WXI4
Other Accession	NP_056362.1 , NP_671517.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	68492
Antigen Region	549-575

ACOT11 Antibody (C-term) - Additional Information**Gene ID** 26027**Other Names**

Acyl-coenzyme A thioesterase 11, Acyl-CoA thioesterase 11, 312-, Acyl-CoA thioester hydrolase 11, Adipose-associated thioesterase, Brown fat-inducible thioesterase, BFIT, ACOT11, BFIT, KIAA0707, THEA

Target/Specificity

This ACOT11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 549-575 amino acids from the C-terminal region of human ACOT11.

Dilution

FC~~1:10~50

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ACOT11 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ACOT11 Antibody (C-term) - Protein Information

Name ACOT11

Synonyms BFIT, KIAA0707, THEA

Function Has an acyl-CoA thioesterase activity with a preference for the long chain fatty acyl-CoA thioesters hexadecanoyl-CoA/palmitoyl-CoA and tetradecanoyl-CoA/myristoyl-CoA which are the main substrates in the mitochondrial beta-oxidation pathway.

Cellular Location

Mitochondrion matrix. Cytoplasm

Tissue Location

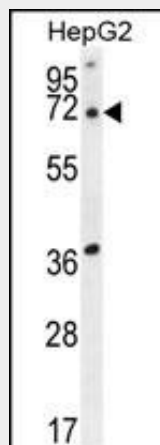
Isoform 1 is predominantly expressed in skeletal muscle, liver, testis, stomach, spleen, lung and brain. Isoform 2 is predominantly expressed in kidney, uterus, hibernoma and white adipose tissue

ACOT11 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

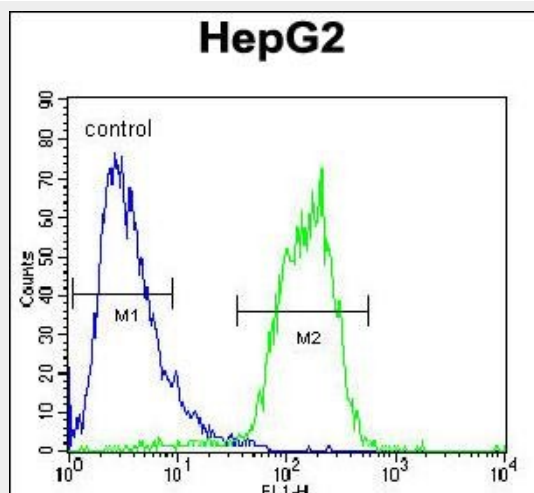
ACOT11 Antibody (C-term) - Images



ACOT11 Antibody (C-term) (Cat. #AP10130b) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the ACOT11 antibody detected the ACOT11 protein (arrow).



ACOT11 Antibody (C-term) (Cat. #AP10130b) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ACOT11 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



ACOT11 Antibody (C-term) (Cat. #AP10130b) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ACOT11 Antibody (C-term) - Background

This gene encodes a member of the acyl-CoA thioesterase family which catalyse the conversion of activated fatty acids to the corresponding non-esterified fatty acid and coenzyme A. Expression of a mouse homolog in brown adipose tissue is induced by low temperatures and repressed by warm temperatures. Higher levels of expression of the mouse homolog has been found in obesity-resistant mice compared with obesity-prone mice, suggesting a role of acyl-CoA thioesterase 11 in obesity. Alternative splicing results in transcript variants.

ACOT11 Antibody (C-term) - References

Kirkby, B., et al. Prog. Lipid Res. 49(4):366-377(2010)
Hunt, M.C., et al. J. Lipid Res. 46(9):2029-2032(2005)
Adams, S.H., et al. Biochem. J. 360 (PT 1), 135-142 (2001) :